

60,130-1291  
OOMRA0622IN THE CLAIMS

sub B2  
A1

10 (307) 14 (310)  
18 (326) 52 (336)  
20 (372) 18 52  
18 71, 72, 81 (352) 52  
20 (col. 9 lines 40-51)  
18 52  
18 (col. 9 lines 50-53)  
14 (non-backdrivable, indicates direction of motion)  
20  
18  
20 (col. 9 line 58-59)

(Currently amended) An actuator comprising: a motor in driving connection with a cam rotatable about a cam axis, the actuator further including a cam follower connected to an output member, in which powered rotation of the cam causes the cam follower to be radially displaced relative to the cam axis to provide differing output positions of the output member and in which the profile of the cam includes a radial stop which, in conjunction with the cam follower, act as a detent so that the cam follower is capable of controlling the position of the cam, wherein the motor is powered in a single direction to provide for the differing output positions of the output member.

71, 72, 81 (352) 52  
52 (336)  
20 (372)

(Original) The actuator as defined in claim 1 in which the radial stop and cam follower act as a detent when the motor is not being powered. (col. 9 line 58 - col. 10 line 6)

20 (372) 18 52  
18 (col. 9 lines 43-49)

(Original) The actuator as defined in claim 1 in which external actuation of the output member causes rotation of the cam.

71, 72, 81 (352) 52  
18 52  
18 (336) 20  
20 (col. 9 lines 43-53)

(Original) The actuator as defined in claim 3 in which the radial stop and cam follower act as a detent during external actuation of the output member.

18 71A-B  
18 72A-B (at midpt along surface 366)  
20 72  
20 (352) 52  
20 (372) 18  
20 (col. 9 lines 43-53)

(Original) The actuator as defined in claim 1 in which the cam has a first radial stop to stop the cam follower at a first radius and a second radial stop to stop the cam follower at a second radius, the first and second radii being different. (see Fig. 8, where dist. from pt 362 to pt 352 is clearly a diff radius than that of dist. bet. pt 362 + midpt of surface 366)

6. (Original) The actuator as defined in claim 5 in which the cam has a third radial stop to stop the cam follower at a third radius, the first, second and third radii being different.

71A-B 72A-B  
20 72  
20 (352) 52  
20 (372) 18  
20 (col. 9 lines 43-53)

(Currently amended) The actuator as defined in claim 45 in which there is a plurality of first and second and third stops. (see Fig. 8, where multiple pts 352 occur as well as multiple midpts of surfaces 366 occur)

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8. (Original) The actuator as defined in claim 1 in which the cam follower is biased radially outwardly relative to the cam axis. <sup>52 (336)</sup> (via pivot pin 337)

9. (Original) The actuator as defined in claim 1 in which the cam follower is biased radially inwardly relative to the cam axis.

10. (Original) The actuator as defined in claim 1 in which the cam follower is capable of moving between an radially outer position and a radially inner position and the cam follower is biased to a bias position radially between the radially outer and radially inner position.

11. (Original) The actuator as defined in claim 1 in which the cam profile between the first and second stops is profiled such that the cam follower moves to a radius which is different than both the first and second radii. <sup>71 (352) 72 (indirect 346) 52 R3</sup> (see Fig. 8 & profiles of surfaces 352 & 346 & claim 5)

12. (Original) The actuator as defined in claim 1 in which the cam profile includes a spirally inwardly curved portion. <sup>77</sup> (see Fig. 8 & cam profile portions beginning from pt 340 curving up inwardly towards pt 350 & then up towards pt 252)

13. (Original) The actuator as defined in claim 1 in which the cam profile includes a spirally outwardly curved portion.

14. (Original) The actuator as defined in claim 1 in which the cam profile includes a first substantially radially orientated portion to allow the cam follower to move radially inwards or outwards relative to the cam axis. <sup>74 52</sup> (see Fig. 8 & surface 346 readable as being at least sub. radially orientated)

15. (Original) The actuator as defined in claim 1 in which the cam profile includes a return stop to prevent the backward rotation of the cam past the return stop.

16. (Cancelled)

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<sup>10</sup>  
 17. (Original) The actuator as defined in claim 1 having a powered position corresponding to each of the output positions of the actuator. *col. 9 line 29-38*  
*lines 43-49*

18. (Original) The actuator as defined in claim 1 having an at rest position differing from the powered output position of the actuator.

*AL cont*  
 19. (Original) The actuator as defined in claim 1 for use in a vehicle door locking system to provide locking and unlocking of a vehicle door lock. *(col. 1 line 4-6)*

20. (Original) The actuator as defined in claim 19 further providing for superlocking of the vehicle door lock.

*B2*  
 21. (Original) The actuator as defined in claim 1 in which the output positions of the output member <sup>20</sup> are located on an arc of a circle. *(see Fig. 8)*

*103*  
 22. (Original) The actuator as defined in claim 1 in which the motor is connected with the cam via a centrifugal clutch. *obvious to provide an alt. means of moving cam*

*14*  
 23. (Original) The actuator as defined in claim 1 in which the motor is connected with the cam via a gear and pinion arrangement. *(18/326) (312/38)*

*See claim 1*  
 24. (Currently amended) A kit of parts for assembly to provide an actuator comprising:

*10* *14* *14*  
 said actuator including a motor in driving connection with a pair of cams rotatable about a cam axis each with a different cam profile and only one of which is assembled into the actuator, *10*  
 the actuator further including a cam follower connected to an output member, in which powered rotation of the assembled cam causes the cam follower to be radially displaced relative to the cam axis to provide differing output positions of the output member *52* *20* *18* *52* *20* and in which the profile of the

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*A1* <sup>18</sup> cam includes a radial stop which, in conjunction with the cam follower, act as a detent so that the  
*B* <sup>71, 72, 81</sup> cam follower is capable of controlling the position of the assembled cam, <sup>52</sup> wherein the motor is <sup>14</sup>  
powered in a single direction to provide for the differing output positions of the output member. <sup>20</sup>